

REMARKS

Claims 1-27 are before the Examiner. Independent Claim 1 has been amended by incorporating the formula of Claims 2, 3 and 4 therein and, accordingly, Claims 2, 3 and 4 have been deleted. The Applicant respectfully requests entry of the above amendments to the claims and reconsideration of the above-referenced patent application in view of the above amendments and the following remarks.

Rejection Requirement

Applicants affirm the election of the invention of Group I, Claims 1-27.

Objections and Rejections

Claims 1-27 were rejected under 35 USC § 112, first paragraph, because the originally specification allegedly contains no description of the metal being from group. Applicant believe this rejection should be withdrawn because no recite a Group 9 metal and as such no corresponding description is required.

Claims 1-27 were rejected under 35 USC § 112, first paragraph, because allegedly the present claims were overly broad and thus presented enablement and/or inoperability problems. Claims 1-27 were also rejected under 35 USC § 112, second paragraph, due to several formal objections.

In response to these rejections, the Applicant elected to amend Claim 1 by incorporating the specific formulae of Claims 2-4 therein and by changing the "exposure" to —contact— and "may be" to —is—. In this connection, the Examiner should recognize that the presented molybdenum example corresponds to the formula of original Claim 2 and the palladium example corresponds to the formula of original Claim 4. Further, Applicant believes the amendment to Claim 1 obviates the objection in regard to scandium.

In regards to the objection to the term "cyclopentadienyl-derived", the Applicant believes the term as presented is sufficiently clear. Specifically, the Applicant believes that a person of ordinary skill in the relevant art will recognize the term is used consistent with ordinary dictionary meaning to refer to a compound that was made or obtained from cyclopentadienyl.

Accordingly, in view of the foregoing amendments and remarks, Applicant respectfully submits that the pending claims are allowable and respectfully requests a prompt notice of allowance.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'O.K. McKinney', with a stylized flourish at the end.

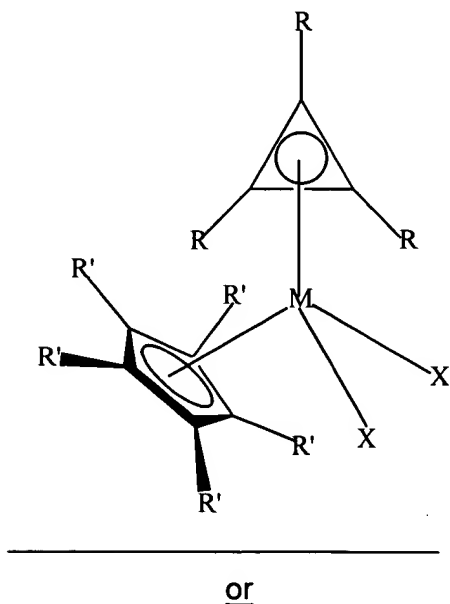
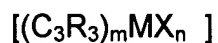
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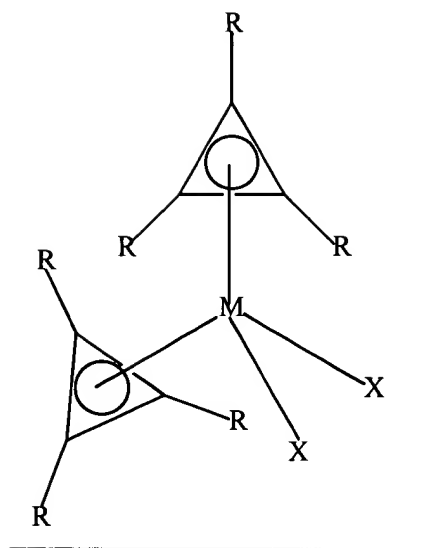
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Version with markings to show changes made.

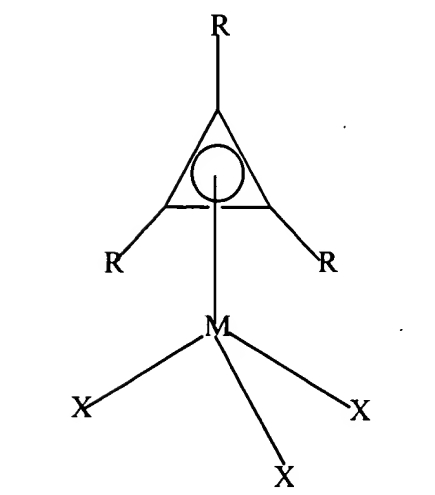
In the Claims - please amend as follows:

1. (Amended) An olefin polymerization catalyst comprising a cationic complex that results from [exposure] contact of a neutral transition metal compound to an activator composition wherein the neutral transition metal compound [may be] is represented by the following formula:





or



wherein $[(C_3R_3)]$ is a cyclopropenyl ring and] each R is a monodentate or a bidentate radical and is independently hydrogen, hydrocarbyl, substituted-

hydrocarbyl, halocarbyl, substituted-halocarbyl, hydrocarbyl-substituted organometalloid, halocarbyl-substituted organometalloid, disubstituted boron, disubstituted pnictogen, substituted chalcogen or halogen, and when R is a bidentate radical it [may] is form a C_4 to C_{20} ring system to give a saturated or unsaturated polycyclic cyclopropenyl ligand or it [may] is form a bridge between one $[(C_3R_3)]$ cyclopropenyl ring and another $[(C_3R_3)]$ cyclopropenyl ring or an X radical; each X radical is independently a halide, hydride, hydrocarbyl, substituted hydrocarbyl, halocarbyl, substituted halocarbyl, and hydrocarbyl- and halocarbyl-substituted organometalloid, substituted pnictogen, or substituted chalcogen and one X [may be] is a pi-bonded cyclopentadienyl ligand or cyclopentadienyl-derived ligand in that the ligand is obtained from cyclopentadienyl in one or more steps and one X [may be] is an amido or an imido radical; M is a [Group 3, 4, 5, 6, 8, or 10] Group 4, 5, 6 or 8 transition metal, and m and n are integers of 1 or greater and $m+n$ satisfies the valence of M.